



DATASHEET: ZCS LOW VOLTAGE BATTERIES

ZCS WECO 4K4 PRO

Technical data

Model	ZCS – Weco 4K4 PRO
Code	ZZT-BAT-5KWH-W
Technology	Lithium Iron Phosphate
Dimensions (H*W*D)	580mm*490mm*155mm
Weight	56 Kg
Protection class	IP20
Mounting	On ground or on wall (bracket included) or stackable (kit ZST-ACC-STK-5X5P not included)
Connection cable kit with inverter	Included with the battery
Operating temperature while charging *	-10°C - +55°C
Operating temperature while discharging *	-20°C - +65°C
Allowable relative humidity range	0....95% non condensing
Maximum operative altitude	2000m
Operating cycles in standard conditions **	7000
Maximum batteries number to be installed	5 in parallel
Certifications	IEC 61600-6-3: 2017, IEC 61600-3-2:2014, IEC 61600-6-2007, IEC61000-3-3:2013, CE, UN38.3 (updated list on www.zcsazzurro.com)
Warranty	10 years
Communication	RS232, RS485, CAN bus, Wifi & Bluetooth (with external device)

Capacity data

Nominal capacity of single module	4,9 kWh
Useful capacity of single module (depth of discharge 90%)	4.4 kWh
Nominal voltage	52.2 V
Maximum charge current ***	86A
Maximum discharge current ***	86A
Maximum depth of discharge	90%

* To guarantee maximum performance, installation in a controlled temperature environment between 15°C and 40°C is recommended (below 15°C the batteries protect themselves by limiting the charging current and below 0°C batteries stop charging to let the heating of the modules)

** Standard operative conditions for batteries: environment temperature 25°C , humidity 40%, depth of discharge 80%

*** The actual charging and discharging currents of the system may be limited by the operating conditions of the battery and by inverters to which the batteries are connected. Please refer to the inverter datasheets for the actual charging and discharging current

